Please replace the paragraph at page 1, lines 17-26 with the following:

aB

A previously known method to reinforce permanent magnet rotors is to provide an outer sleeve enclosing the permanent magnetic material parts of the rotor. Such sleeve may comprise a high-strength metal tube made of a non-magnetic material like titanium, cold worked stainless steel, etc. or may be formed of a high-strength fiber bandage wound around the permanent magnet parts of the rotor. In both cases the reinforcement is radially pre-tensioned to minimize the tension stress on the magnetic material caused by centrifugal forces during operation of the motor.

Please replace the paragraph at page 2, lines 3-8 with the following:

a4

Summary of the Invention

In order to solve the above-mentioned problems, the present invention provides a permanent magnet rotor which does not have any outer sleeve. Instead, the permanent magnet rotor of the present invention comprises a reinforcement means which does not influence the diameter of the rotor and which does not complicate the assemblage of the rotor.

Please replace the paragraph at page 2, lines 9-10 with the following:

 \hat{u}^5

A preferred embodiment of the invention is below described in detail with reference to the accompanying drawings.

Please replace the paragraph at page 2, lines 11-18 with the following:

Brief Description of the Drawings

In the drawings:

Fig. 1 shows, partly in section, a side view of a motor having a rotor according to the invention.

Page 2, between lines 18 and 19 insert a new paragraph as follows:

26

Fig. 4 shows a rotor according to the invention having a reinforcement disc between every second magnetic disc.

Replace the paragraph at page 2, lines 19-30 with the following:

<u>Detailed Description</u>

11

The motor illustrated in Figs. 1-4 comprises a stator 10 including a cylindrical casing 11, two end walls 12, 13, electrical windings 14 and a tubular core 15 surrounding the windings 14, and a rotor 16. The rotor 16 is journalled in two bearings 18, 19 supported in the stator end walls 12, 13 and comprises a central spindle 20, a plurality of permanent magnet discs 21 provided on each side with a layer 22 of electrically insulating material, and a number of reinforcement discs 23 located between the magnet discs 21. The purpose and functional features of the reinforcement discs 23 will be described in further detail below.

Please replace the paragraph at page 4, line 12 with the following:

as

In some cases where the centrifugal forces are not too high and/or the magnet discs are thin, it might be enough to use a reinforcement disc 23 between every second magnetic disc 21 only (see Fig. 4).